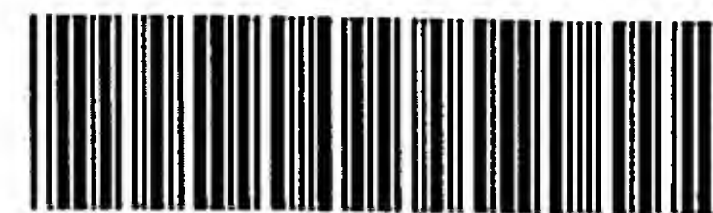


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/591,454
Source: IFWP
Date Processed by STIC: 9/18/06

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,454

DATE: 09/18/2006

TIME: 15:22:55

Input Set : A:\Q96749 Seq List.txt

Output Set: N:\CRF4\09182006\J591454.raw

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3 <110> APPLICANT: OTSUKA PHARMACEUTICAL CO., LTD.
W--> 4 <120> TITLE OF INVENTION: Method for detecting cancer caused by viral hepatitis type B
W--> 5 <130> FILE REFERENCE: P05-11
C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/591,454
C--> 6 <141> CURRENT FILING DATE: 2006-09-01
      6 <150> PRIOR APPLICATION NUMBER: JP2004-063046
      7 <151> PRIOR FILING DATE: 2004-03-05
W--> 8 <160> NUMBER OF SEQ ID: 21
10 <170> SOFTWARE: PatentIn version 3.1
12 <210> SEQ ID NO: 1
13 <211> LENGTH: 2689
14 <212> TYPE: DNA
15 <213> ORGANISM: Human
17 <400> SEQUENCE: 1
18 gtcgagcgcc ccgaggtcgg ggtcgcaagc ataagacgac ccccttcct cctcctcgcc      60
20 tagcagatgt ggctcctacc cccccaaga cccctgcccg gaaacggggt gaggaaggca      120
22 cagaacggat ggtgcaggca ctgactgaac ttctccggcg ggcccaggca cccaagcac      180
24 cccggagccg ggcatgtgag ccctccaccc cccggcggtc tcggggacgg ccccaggac      240
26 ggccagcagg cccctgcagg aggaagcagc aagcagtagt ggtggcagaa gcagctgtga      300
28 caatcccaa acctgagccc ccacctcctg tggttccagt gaaacatcag actggcagct      360
30 ggaaatgcaa ggagggggccc ggtccaggac ctgggacccc caggcgtgga ggacagtcaa      420
32 gccgtggagg ccgtggaggc aggggcccgc gccgaggtgg tgggctcccc tttgtgatca      480
34 agtttgtttc aagggccaaa aaagtaaaga tgggacaatt gtccttggga ctcgaatcag      540
36 gtcaaggtca aggtcaacat gaggaaagtt ggcaggatgt cccccaaga agagttggat      600
38 ctggacaggg agggagccct tgctggaaaa agcaggaaca gaagctggat gacgaggaag      660
40 aagagaagaa agaagaagaa gaaaaagaca aggagggaga agagaaggaa gaaagagctg      720
42 tagctgagga gatgatgcca gctgcggaaa aggaagaggc aaagctgcca ccaccgcctc      780
44 tgactcctcc agccccttca cctcctccac ccctcccacc cccttcgaca tctcctccac      840
46 cccactctg ccctccacca ccacccccag tgtccccacc acctctacca tcccctccac      900
48 cgcctcctgc ccaagaggag caggaggaat cccctcctcc tgtggtccca gctacgtgct      960
50 ccaggaagag gggccggcct cccctgactc ccagccagcg ggcggagcgg gaagctgctc     1020
52 gggcagggcc agagggcacc tctcctccca ctccaacccc cagcaccgcc acgggaggcc     1080
54 ctccggaaga cagtcccacc gtggccccc aagcaccac cttcctgaag aatatccggc     1140
56 agtttattat gcctgtggtg agtgcccgtc cctcccgtgt catcaagaca ccccggcgat     1200
58 ttatggatga agaccccccc aaacccccaa aggtggaggt ctacactgtc ctgcgacctc     1260
60 ccattaccac ctccccacct gttccccagg agccagcacc agtcccctct ccaccacgtg     1320
62 cccaactcc tccatctacc ccagttccac tccctgagaa gagacgggtc atcctaaggg     1380
64 aaccacatt tcgctggacc tcaactgacc gggagctgcc cctcctccc ccagcccctc     1440
66 cacctcccc ggccccctcc ccacccccctg ctctgcccac ctctcccgg aggcccctac     1500
68 tccttcgggc ccctcagttt accccaagcg aagcccacct gaagatctac gaatcggtgc     1560
70 ttactcctcc tcctcttggg gctcctgaag cccctgagcc agagcctcct cctgccgatg     1620
72 actctccagc tgagcctgag cctcgggcag tgggcccgcac caaccacctc agcctgcctc     1680
74 gattcgcccc tgtggtcacc actcctgtta aggccgaggt gtcccctcac ggggctccag     1740

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Input Set : A:\Q96749 Seq List.txt

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76 ctctgagcaa cgggccacag acacaggctc agctactgca gcccctgcag gccttgcaaa 1800
78 cccagctcct gccccaggca ctaccgccac cacagccaca gctgcagcca ccgccgtcac 1860
80 cacagcagat gcctcccctg gaaaaagccc ggattgcggg cgtgggttcc ttgccgctgt 1920
82 ctggggtaga ggagaagatg ttcagcctcc tcaagagagc caaagtgcag ctattcaaga 1980
84 tcgatcagca gcagcagcag aaggtggcag cttccatgcc ggtgagtgtg gtccctgggc 2040
86 ccagcggcac acccagccat ccagcctcca ttctttgcaa cccctaacc ttccgcctcc 2100
88 ttgggactt tccagcattg cggggaaccc tcagaacctg cttttctgtg atcccccacc 2160
90 ttcctttgtt cctccccaga cctggccctt ctctgtgcta gtccctgtc cctatcttcc 2220
92 tttttttttt ttttttattt ttgagaccga gtctcacttt gtccaggctg gagtgcagt 2280
94 gcgtgatctc ggctcactgc agcctttgcc tcccgggttc aagagattct cctgcctcag 2340
96 tctctcgagt agctgggact acaggtgccc atcaccacgc ctggctaatt tttgtatttt 2400
98 tagtagagac agggtttcac cacattggct aggtcgtct tgaactcctg acctcgtgat 2460
100 ctgcccgtct cggcctccca aagtgcctggg attacaggca tcagccacca caccagctc 2520
102 cctgtcccta tctttcctca ctgtccagcc cctgacctg tttattccct gccagctgag 2580
104 ccctggaggg cagatggagg aggtggccgg ggctgtcaag cagatctccg acagaggccc 2640
106 tgtccggtct gaagatgagt cggtggaagc taagagagag cggccctca 2689

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109 <210> SEQ ID NO: 2

110 <211> LENGTH: 465

111 <212> TYPE: DNA

112 <213> ORGANISM: Human hepatitis B virus

114 <400> SEQUENCE: 2

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115 atggctgctc ggggtgtgctg ccaactggat ccttcgcggg acgtcctttg tctacgtccc 60
117 gtcggcgctg aatcccgcgg acgaccgctc tcggggccgt ttggggctct atcgtcccct 120
119 tcttcactct cgttccggc cgaccacggg gcgcacctct ctttacgcgg tctccccgtc 180
121 tgtgccttct catctgccgg accgtgtgca cttegttca cctctgcacg tcgcatggag 240
123 accaccgtga acgcccacca ggtcttgccc aaggtcttac ataagaggac tcttgactc 300
125 tcatcaatgt caacgaccga ccttgaggca tacttcaaag actgtttgtt taaggactgg 360
127 gaggagtgg gggaggagat taggttaaag gtctttgtac taggaggctg taggcataaa 420
129 ttggtctgtt caccagcacc atgcaacttt ttcacctctg cctaa 465

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132 <210> SEQ ID NO: 3

133 <211> LENGTH: 720

134 <212> TYPE: DNA

135 <213> ORGANISM: Human

137 <400> SEQUENCE: 3

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138 tgaccaata ctgccaatgg ggtgcgagcg gcgcgaggaa gtggatgaac ccacaccgg 60
140 cagggcagaa aagggataga actcagtcgg ccgtcgccac cgtgaaccac tgactgctac 120
142 aggagcgaat aatcgtctac cttgttttaa ccatcattaa cttgggtttt ggtgtttgtt 180
144 tgtttgtttg tgtgtttttc gagacggagt cttgctgggt cgcccaggct ggagtgcagt 240
146 ggcgcgatct gggctcactg caacctccgc ctccgggttc aagcagttct ccctgcctca 300
148 gcctcccag tagctgggat tacaggcgcc ggccaccacg cttggctaata ttttgcat 360
150 tttagtagag acgggggttc gtcatgttgg ccaggctggg ctggaactcc tgacctcaag 420
152 tgatccgctc acctcagcct cccaaagtgc tgggattaca ggcatgaaac actgcgccc 480
154 gccggttttg ttttttaata agtaaccgag cctgcattct aaccaataaa ctcatctat 540
156 taaaacacgc ctgtggtgcc cagggccagc aggttgtctc atgtcagggt ctcccagaag 600
158 ccgagcctga gagcaggatt caggtgcaaa tgtttcccta gggagtctct tccagctgaa 660
160 accagcgagg gagccaggga aaaagaagga gaagacaagc aagggtttct tcaatttcca 720

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163 <210> SEQ ID NO: 4

164 <211> LENGTH: 22

165 <212> TYPE: DNA

RAW SEQUENCE LISTING

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Input Set : A:\Q96749 Seq List.txt

Output Set: N:\CRF4\09182006\J591454.raw

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166 <213> ORGANISM: Artificial Sequence
W--> 167 <220> FEATURE:
168 <223> OTHER INFORMATION: Primer sequence for amplification of HBV-X
170 <400> SEQUENCE: 4
171 tgccatggag accaccgtga ac 22
174 <210> SEQ ID NO: 5
175 <211> LENGTH: 24
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
W--> 178 <220> FEATURE:
179 <223> OTHER INFORMATION: Primer sequence for amplification of HBV-X
181 <400> SEQUENCE: 5
182 tgcccaaggt cttacataag agga 24
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 27
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
W--> 189 <220> FEATURE:
190 <223> OTHER INFORMATION: Primer sequence for amplification of an adaptor
192 <400> SEQUENCE: 6
193 ccataccta acgactcact atagggc 27
196 <210> SEQ ID NO: 7
197 <211> LENGTH: 23
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
W--> 200 <220> FEATURE:
201 <223> OTHER INFORMATION: Primer sequence for amplification of an adaptor
203 <400> SEQUENCE: 7
204 actcactata gggctcgagc ggc 23
207 <210> SEQ ID NO: 8
208 <211> LENGTH: 29
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
W--> 211 <220> FEATURE:
212 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
214 <400> SEQUENCE: 8
215 actttccagc attgcgggga accctcaga 29
218 <210> SEQ ID NO: 9
219 <211> LENGTH: 30
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
W--> 222 <220> FEATURE:
223 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
225 <400> SEQUENCE: 9
226 tgttctccc cagacctggc ccttctctgt 30
229 <210> SEQ ID NO: 10
230 <211> LENGTH: 24
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence

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Input Set : A:\Q96749 Seq List.txt

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W--> 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
 236 <400> SEQUENCE: 10
 237 gctctctctt agcttcacc gact 24
 240 <210> SEQ ID NO: 11
 241 <211> LENGTH: 23
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Artificial Sequence

W--> 244 <220> FEATURE:
 245 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
 247 <400> SEQUENCE: 11
 248 agggcctctg tcggagatct gct 23
 251 <210> SEQ ID NO: 12
 252 <211> LENGTH: 23
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Artificial Sequence

W--> 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
 258 <400> SEQUENCE: 12
 259 ctggcaggga ataaacaggg tca 23
 262 <210> SEQ ID NO: 13
 263 <211> LENGTH: 30
 264 <212> TYPE: DNA
 265 <213> ORGANISM: Artificial Sequence

W--> 266 <220> FEATURE:
 267 <223> OTHER INFORMATION: Primer sequence for amplification of HBV-X
 269 <400> SEQUENCE: 13
 270 tcgcaactgg atccttcgcg ggacgtcctt 30
 273 <210> SEQ ID NO: 14
 274 <211> LENGTH: 28
 275 <212> TYPE: DNA
 276 <213> ORGANISM: Artificial Sequence

W--> 277 <220> FEATURE:
 278 <223> OTHER INFORMATION: Primer sequence for amplification of HBV-X
 280 <400> SEQUENCE: 14
 281 gcgaagcttg ttcacggtgg tctccatg 28
 284 <210> SEQ ID NO: 15
 285 <211> LENGTH: 30
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Artificial Sequence

W--> 288 <220> FEATURE:
 289 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
 291 <400> SEQUENCE: 15
 292 atgcggggac cttgcacagg ggactcggga 30
 295 <210> SEQ ID NO: 16
 296 <211> LENGTH: 30
 297 <212> TYPE: DNA
 298 <213> ORGANISM: Artificial Sequence

W--> 299 <220> FEATURE:

RAW SEQUENCE LISTING

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Input Set : A:\Q96749 Seq List.txt

Output Set: N:\CRF4\09182006\J591454.raw

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300 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
302 <400> SEQUENCE: 16
303 ctgacccagg gccacagcag catgacggca 30
306 <210> SEQ ID NO: 17
307 <211> LENGTH: 30
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
W--> 310 <220> FEATURE:
311 <223> OTHER INFORMATION: Primer sequence for amplification of MLL4
313 <400> SEQUENCE: 17
314 cgggacactc tcagtctcgg acgccgatga 30
317 <210> SEQ ID NO: 18
318 <211> LENGTH: 23
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
W--> 321 <220> FEATURE:
322 <223> OTHER INFORMATION: Primer sequence for amplification of Chromosome 17
324 <400> SEQUENCE: 18
325 agtttgtgct ccctccctgc aga 23
328 <210> SEQ ID NO: 19
329 <211> LENGTH: 22
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
W--> 332 <220> FEATURE:
333 <223> OTHER INFORMATION: Primer sequence for amplification of Chromosome 17
335 <400> SEQUENCE: 19
336 agcggcgcga ggaagtggat ga 22
339 <210> SEQ ID NO: 20
340 <211> LENGTH: 30
341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial Sequence
W--> 343 <220> FEATURE:
344 <223> OTHER INFORMATION: Primer sequence for amplification of Chromosome 17
346 <400> SEQUENCE: 20
347 gaaaagccta gccccttgcc ttaaggcagg 30
350 <210> SEQ ID NO: 21
351 <211> LENGTH: 30
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial Sequence
W--> 354 <220> FEATURE:
355 <223> OTHER INFORMATION: Primer sequence for amplification of Chromosome 17
357 <400> SEQUENCE: 21
358 agctcccttg ggctcaggcc acggcaggga 30

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VERIFICATION SUMMARY

DATE: 09/18/2006

PATENT APPLICATION: US/10/591,454

TIME: 15:22:56

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L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:167 M:283 W: Missing Blank Line separator, <220> field identifier
L:178 M:283 W: Missing Blank Line separator, <220> field identifier
L:189 M:283 W: Missing Blank Line separator, <220> field identifier
L:200 M:283 W: Missing Blank Line separator, <220> field identifier
L:211 M:283 W: Missing Blank Line separator, <220> field identifier
L:222 M:283 W: Missing Blank Line separator, <220> field identifier
L:233 M:283 W: Missing Blank Line separator, <220> field identifier
L:244 M:283 W: Missing Blank Line separator, <220> field identifier
L:255 M:283 W: Missing Blank Line separator, <220> field identifier
L:266 M:283 W: Missing Blank Line separator, <220> field identifier
L:277 M:283 W: Missing Blank Line separator, <220> field identifier
L:288 M:283 W: Missing Blank Line separator, <220> field identifier
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L:343 M:283 W: Missing Blank Line separator, <220> field identifier
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